

DATE OF PREP: 9/13/89

IPL # 20076

SECTION I

MANUFACTURERS NAME:
AKZO COATINGS INC.
AEROSPACE FINISHES
STREET ADDRESS:
434 W. MEATS AVE
ORANGE, CA 92665

The California Safe Drinking Water and Toxic Act of 1986, Proposition 65, requires that potentially exposed individuals be informed of the presence of a chemical that has been determined to cause cancer or reproductive harm. As part of Akzo Coatings' responsibility under this law, such notice is hereby given.

EMERGENCY TELEPHONE NUMBERS:
8:00AM-4:45PM (313) 589-3660
EASTERN TIME ZONE
AFTER HOURS (313) 855-7313

MANUFACTURERS CODE IDENTIFICATION:
X 522

TRADE NAME:
CATALYST FOR 463-12-42

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS:	C.A.S. NO.	* PCT *	* BY WT *	* TLV PPM	* MG/M3	* PEL PPM	* MG/M3	* VAPOR PRESS
AMINOSILANE COMPOUND	1760-24-3	* <5*	*	-----	-----*	-----	-----*	NA
N-BUTYL ALCOHOL	71-36-3	* 5-20*	SKIN *	50.00	150.00*	50.00	150.00*	4.4
N-BUTANOL		* *	*		*		*	
1,1,1-TRICHLOROETHANE	71-55-6	* >85 *	*	350.00	1900.00*	350.00	1900.00*	100.0
2,4,6-TRI(DIMETHYLAMINOMETHYL) PHENOL	90-72-2	* <5*	SKIN *	-----	-----*	-----	-----*	< .1
TERTIARY AMINE		* *	*		*		*	

SECTION III - PHYSICAL DATA

BOILING RANGE:
165 - 600 DEG. F

VAPOR DENSITY VS. AIR:
HEAVIER THAN AIR

EVAPORATION RATE VS. ETHER:
SLOWER

PERCENT VOLATILE BY VOLUME:
96.6

WEIGHT PER GALLON:
10.44 LBS.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

DOT CATEGORY:

PAINT,
FLAMMABLE LIQUID, UN-1263

FLASH POINT:

98F TCC

LEL: 1.4

OSHA CLASSIFICATION:

FLAMMABLE LIQUID - CLASS IC

EXTINGUISHING MEDIA:

FOAM, CARBON DIOXIDE, DRY CHEMICALS

UNUSUAL FIRE AND EXPLOSION HAZARDS:

KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARKS, ELECTRICAL EQUIPMENT AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. APPLICATION TO HOT SURFACES REQUIRES SPECIAL PRECAUTIONS. DURING EMERGENCY CONDITIONS OVER EXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY NOT BE IMMEDIATELY APPARENT. OBTAIN MEDICAL ATTENTION.

SPECIAL FIRE FIGHTING PROCEDURES:

WATER MAY BE INEFFECTIVE. WATER SHOULD BE USED TO COOL CONTAINERS EXPOSED TO FIRE. FIRE FIGHTING PERSONNEL SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS.

SECTION V - REACTIVITY DATA

STABILITY:

STABLE.

INCOMPATIBILITY (MATERIALS TO AVOID):

STRONG ACIDS, BASES, OXIDIZERS, AND ALUMINUM COMPOUNDS. DO NOT USE HANDLING AND STORAGE EQUIPMENT CONSTRUCTED WITH METALLIC ALUMINUM AND ALUMINUM ALLOYS. DO NOT ALLOW CONTACT WITH METALLIC ALUMINUM AND ZINC POWDERS. WATER CAUSES SLOW HYDROLYSIS AND PRODUCES CORROSIVE ACID.

HAZARDOUS DECOMPOSITION PRODUCTS:

THERMAL OR PYROLYTIC DECOMPOSITION WILL PRODUCE CARBON MONOXIDE, CARBON DIOXIDE, HCL, PHOSGENE, CHLORINE, SMOKE AND OXIDES OF NITROGEN.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR.

CONDITIONS TO AVOID:

WATER CONTAMINATION. ALUMINUM CONTAINERS, PUMPS AND PIPES. HIGH PRESSURE SPRAY EQUIPMENT MADE OF ALUMINUM COMPONENTS FOR THE APPLICATION OF COATINGS CONTAINING HALOGENATED SOLVENTS.

SECTION VI - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: SEE SECTION II.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: MOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NECESSARY.

SKIN CONTACT: WASH WITH SOAP & WATER.

EYE CONTACT: FLUSH WITH WATER FOR AT LEAST 15 MINUTES, CONSULT A PHYSICIAN.

INGESTION: DRINK ONE OR TWO GLASSES OF WATER TO DILUTE. DO NOT INDUCE VOMITING.

CONSULT PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. TREAT SYMPTOMATICALLY.

MEDICAL CONDITIONS PRONE TO AGGRAVATION: NONE EXPECTED

THE FOLLOWING HAZARDS HAVE BEEN REPORTED TO BE ASSOCIATED WITH THE INDIVIDUAL COMPONENTS OF THIS PRODUCT. THESE HAZARDS MAY NOT ALL BE ASSOCIATED WITH THE FINISHED PRODUCT.

ACUTE:

SKIN IRRITANT, EXPOSURE MAY CAUSE BURNS.

EYE CONTACT MAY CAUSE SEVERE IRRITATION, REDNESS, TEARING, BLURRED VISION, AND A SENSATION OF SEEING HALOS AROUND LIGHTS.

EYE IRRITANT, CONTACT MAY CAUSE EYE BURNS OR CORNEAL INJURY.

EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, POSSIBLE UNCONSCIOUSNESS, AND EVEN ASPHYXIATION.

PROLONGED CONTACT WITH THE SKIN MAY LEAD TO EXTRACTION OF NATURAL OILS WITH RESULTANT MILD IRRITATION.

SWALLOWING CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA.

PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE DERMITITIS.

PROLONGED OR REPEATED CONTACT MAY CAUSE EYE IRRITATION.

VENTRICULAR ARRHYTHMIA MAY BE INDUCED AFTER SENSITIZATION TO EPINEPHRINE.

SEVERE SKIN IRRITANT.

VAPOR IRRITATING ONLY AT ELEVATED TEMPERATURES.

CAN BE ABSORBED THROUGH THE SKIN.

WARNING! MAY CAUSE SKIN SENSITIZATION OR OTHER ALLERGIC RESPONSES.

NOTICE: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAYBE HARMFUL OR FATAL. REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

CHRONIC:

OVEREXPOSURE HAS BEEN SUGGESTED AS THE CAUSE FOR EYE DAMAGE IN HUMANS.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

REFER TO PROTECTIVE MEASURES LISTED IN SECTIONS IV., V., VI., VIII. AND IX.
REMOVE ALL SOURCES OF IGNITION. AVOID BREATHING VAPORS. VENTILATE AREA. REMOVE
WITH INERT ABSORBENT.

WASTE DISPOSAL METHOD:

INCINERATE IN AN APPROVED FACILITY. DO NOT INCINERATE CLOSED CONTAINERS. DISPOSE
OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL POLLUTION CONTROL REQUIREMENTS.

SECTION VIII - SAFE HANDLING & USE INFORMATION

RESPIRATORY PROTECTION:

ADEQUATE VENTILATION IS REQUIRED. USE NIOSH/MSHA APPROVED RESPIRATOR DEVICE.
SEE YOUR SAFETY EQUIPMENT SUPPLIER FOR EVALUATION AND RECOMMENDATION.
IN CONFINED AREAS USE NIOSH/MSHA APPROVED AIRLINE RESPIRATOR OR HOOD.

VENTILATION:

PROVIDE SUFFICIENT VENTILATION TO KEEP VAPOR CONCENTRATION BELOW THE GIVEN TLV
AND LEL. FOR BAKING FINISHES, EXHAUST VAPORS EMITTED ON HEATING. REMOVE
DECOMPOSITION PRODUCTS FORMED DURING WELDING OR FLAME CUTTING OF SURFACES COATED
WITH THIS PRODUCT.

PROTECTIVE GLOVES:

REQUIRED FOR PROLONGED OR REPEATED CONTACT. REFER TO SAFETY EQUIPMENT SUPPLIER
FOR EFFECTIVE GLOVE RECOMMENDATION.

EYE PROTECTION:

USE SAFETY EYEWEAR DESIGNED TO PROTECT AGAINST SPLASH OF LIQUIDS.

OTHER PROTECTIVE EQUIPMENT:

EYE BATH AND SHOWER SHOULD BE AVAILABLE. USE CHEMICAL RESISTANT APRON, BOOTS OR
OTHER CLOTHING IF NEEDED TO AVOID REPEATED OR FREQUENT SKIN CONTACT. LIQUID MAY
PENETRATE SHOES AND LEATHER CAUSING DELAYED IRRITATION.

HYGIENIC PRACTICES:

WASH HANDS BEFORE EATING, SMOKING OR USING WASHROOM

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

STORE CONTAINERS OUT OF SUN AND AWAY FROM HEAT, SPARKS, AND OPEN FLAMES. CLOSE
CONTAINERS AFTER EACH USE. CONSULT N.F.P.A. CODE FOR ADDITIONAL STORAGE
REQUIREMENTS.

OTHER PRECAUTIONS:

DO NOT TAKE INTERNALLY. USE APPROVED BONDING AND GROUNDING PROCEDURES. OBSERVE
LABEL PRECAUTIONS. KEEP CLOSURES TIGHT AND CONTAINER UPRIGHT TO PREVENT LEAKAGE.
NEVER USE PRESSURE TO EMPTY - DRUM IS NOT A PRESSURE VESSEL. AVOID BREATHING
SANDING DUST. DO NOT WELD OR FLAME CUT AN EMPTY DRUM. ALUMINUM IS NOT AN
ACCEPTABLE MATERIAL OF CONSTRUCTION FOR PUMPS, MIXERS, FITTINGS AND STORAGE
TANKS THAT WILL BE USED TO HANDLE THIS PRODUCT. DO NOT HANDLE UNTIL THE
MANUFACTURER'S SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD.

APPROVED BY RAW MATERIAL & FORMULA INFORMATION DEPARTMENT

NAME:

DATE: 8/09/89

FORMULA DATE 4/27/89

THIS INFORMATION IS FURNISHED WITHOUT WARRANTY, EXPRESSED OR IMPLIED, EXCEPT THAT IT IS ACCURATE
TO THE BEST KNOWLEDGE OF AKZO COATINGS AMERICA. THE DATA ON THIS SHEET RELIES ONLY TO THE
SPECIFIC MATERIAL DESIGNATED HEREIN. AKZO COATINGS AMERICA ASSUMES NO LEGAL RESPONSIBILITY FOR

SECTION 313 SUPPLIER NOTIFICATION

THIS PRODUCT, X 522 , CONTAINS THE FOLLOWING TOXIC CHEMICALS
SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE SUPERFUND
AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986 AND 40 CFR PART 372.

CAS #	CHEMICAL NAME	% BY WEIGHT
71-36-3	N-BUTYL ALCOHOL	8.3
71-55-6	1,1,1-TRICHLOROETHANE	89.0

THIS INFORMATION MUST REMAIN ATTACHED TO THE PRODUCT MSDS AND MUST BE
INCLUDED AND DISTRIBUTED WITH ANY COPY OF THE MSDS.